ABSTRACT OF THE DISCLOSURE

An external defibrillator enclosure for use in conjunction with a defibrillator accessory, such as an electrode pad assembly, includes a front panel and a rear panel which are mated together and secured by a coupling means. The enclosure also includes a plate secured by a coupling means to the second panel. The plate and second panel are positioned relative to each other to form a slot that is sized to receive a portion of the electrode assembly. The enclosure also includes a connector port that allows for the electrode pad assembly to be pre-connected to the electronics within the enclosure. The electrode pad assembly includes a cable and a connector at the end of the cable, and the exterior face of enclosure rear panel includes a groove that is sized to receive and retain the cable. The groove holds the cable in place against the surface of the enclosure while the cable is connected to the connector port.